BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of the work: **Estimate for Improvements and Asphalting to HMT Layout Balance Roads in ward No. 09 of Vidyaranyapura Sub Division.**

Estimate Cost: 2000000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	Desilting of Drains								
	HMT Layout 13th Main Road		2	175.00	0.45	0.40	63.00		
			2	200.00	0.45	0.40	72.00		
			2	35.00	0.45	0.40	12.60		
			2	45.00	0.45	0.40	16.20		
	Berm Cutting								
	HMT Layout 13th Main Road		2	175.00	1.50	0.25	131.25		
			2	200.00	1.35	0.25	135.00		
			2	35.00	1.40	0.25	24.50		
			2	45.00	1.30	0.25	29.25		
							483.80	90.72	**43890.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	Removing B.S. Slab Drain and stacking **(P. 28 / I. 5.32 PWD SR - 2013-14)**	Sqm							
			2	95.00		1.65	313.50		
			2	110.00		1.65	363.00		
			2	20.00		1.65	66.00		
			2	25.00		1.65	82.50		
							825.00	50.11	**41342.00**
	Basic Rate	46.40							
	Area Weightage @8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in CM (1:3) **(P. 28 / I. 5.33 PWD SR - 2013-14)**	Sqm							
			Vide Item No.2				**825.00**	70.04	**57781.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 158 / Item No. 19.51/ PWD SR 2013-14**	Sqm							
	HMT Layout 13th Main Road		1	175.00	7.00		1225.00		
			1	200.00	7.00		1400.00		
			1	35.00	7.00		245.00		
			1	45.00	7.00		315.00		
							3185.00	40.50	**128993.00**
	Basic Rate	37.50							
	Area Weightage @ 8%	3.00							
	Total	**40.50**							
5	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P. 170 / I. 20.18) PWD SR - 2013-14.**	Cum							
	HMT Layout 13th Main Road		1	175.00	7.00	0.15	183.75		
			1	200.00	7.00	0.15	210.00		
			1	35.00	7.00	0.15	36.75		
			1	45.00	7.00	0.15	47.25		
							477.75	1121.04	**535577.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
	HMT Layout 13th Main Road		1	175.00	7.00		1225.00		
			1	200.00	7.00		1400.00		
			1	35.00	7.00		245.00		
			1	45.00	7.00		315.00		
							3185.00	10.53	**33538.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
7	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 6				3185.00		
							3185.00	44.28	**141032.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 175 / Item No. 21.20.1 / PWD SR 2013-14**	Cum							
	HMT Layout 13th Main Road		1	175.00	7.00	0.025	30.63		
			1	200.00	7.00	0.025	35.00		
			1	35.00	7.00	0.025	6.13		
			1	45.00	7.00	0.025	7.88		
							79.63	9631.44	**766903.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**483.80**	72.71	**35175.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	**Sub Total**								**1783517.00**
11	KRIDL Service Charges and Applicable Charges @ 11%								**196187.00**
12	QC Charges @ 1%								**17835.00**
13	Miscellaneous and other Charges	L/S							**2461.00**
								Total	**2000000.00**

(Rs. Twenty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 20.00 lakhs
Rupees Twenty lakhs Only
Under P - 1771
Registered as EE ( ) No. 9
Subject to conditions contained in
enclosed memo EE ( ) No. 01
Dt
~~Addl Cmr (Y2)~~ AS/928/13-14
dated 26-2-2014 20.00 lakhs

~~Addl~~ Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.

Technical Sanction for Rs. Twenty Lakhs only
EE/BTP/356/13-14, 03/03/2014
Registered as EE No: Dated
to conditions contained enclosed memo.
No: 356/13-14 D: 03/03/2014
AEE/JE
EE (BTP.Div.)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09, Vidyaranyapura Sub Division.

Lead Distance

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

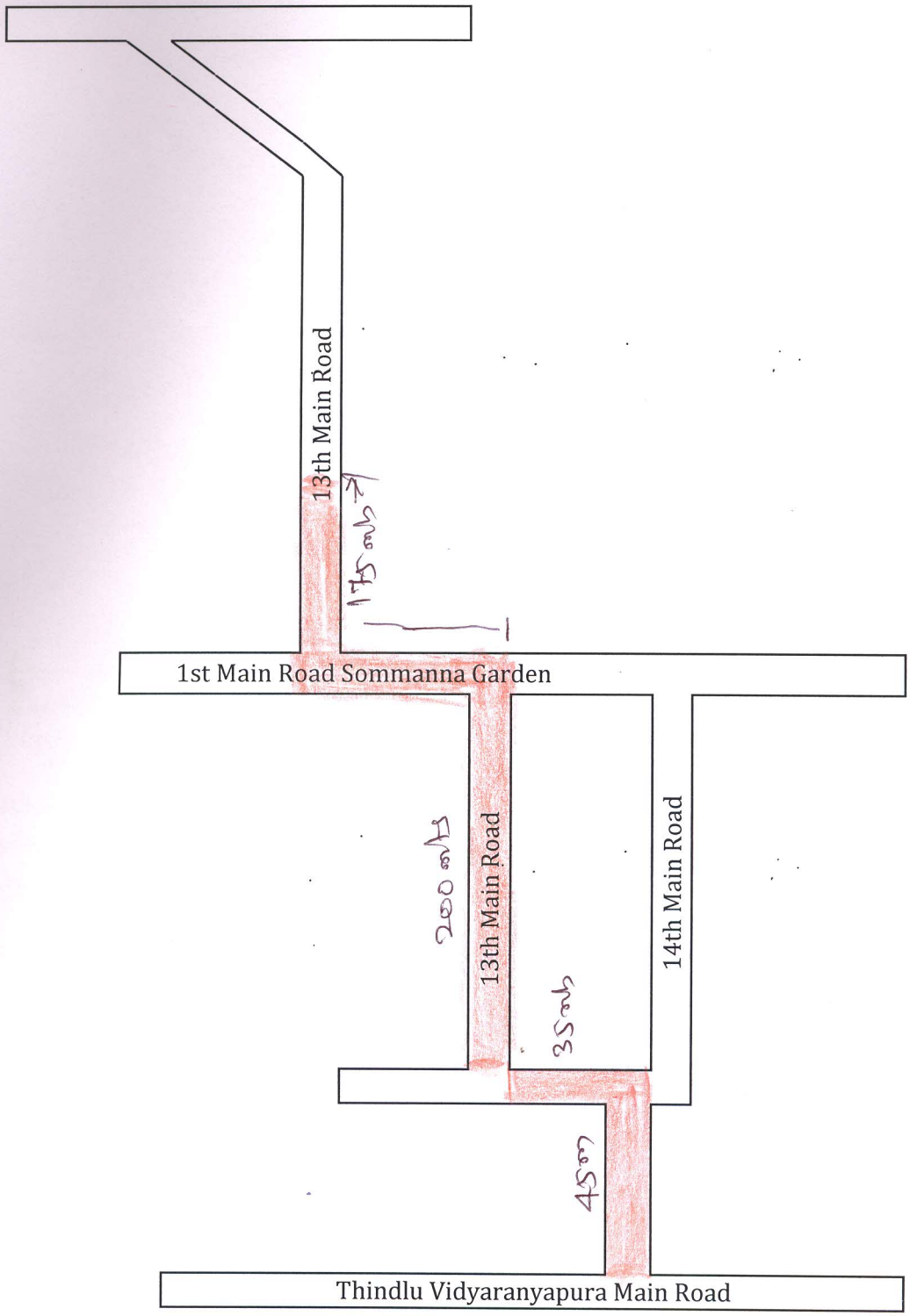
1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Sketch Showing the location for Improvements and Asphalting to HMT Layout Balance Roads in Ward No. 09, Vidyaranyapura Sub Division.



- Asphalting to Road with 25 mm SDBC

Assistant Engineer
Ward No. 09